Title (en)

SOLAR CONTROL COATING WITH ENHANCED SOLAR CONTROL PERFORMANCE

Title (de)

SONNENSCHUTZBESCHICHTUNG MIT ERHÖHTER SONNENREGULIERUNGSLEISTUNG

Title (fr)

REVÊTEMENT DE CONTRÔLE SOLAIRE À PERFORMANCES AMÉLIORÉES DE CONTRÔLE SOLAIRE

Publication

EP 3344591 A1 20180711 (EN)

Application

EP 16771027 A 20160831

Priority

- US 201562212665 P 20150901
- US 201662311440 P 20160322
- US 201615251025 A 20160830
- US 2016049554 W 20160831

Abstract (en)

[origin: US2017059753A1] A solar control coating (30) includes a first phase adjustment layer (40); a first metal functional layer (46); a second phase adjustment layer (50); a second metal functional layer (58); a third phase adjustment layer (62); a third metal functional layer (70); a fourth phase adjustment layer (86); and optionally, a protective layer (92). At least one of the metal functional layers (46, 58, 70) includes a metal functional multi-film layer including (i) at least one infrared reflective film and (ii) at least one absorptive film.

IPC 8 full level

C03C 17/36 (2006.01)

CPC (source: EP KR RU US)

C03C 17/36 (2013.01 - EP RU US); **C03C 17/3639** (2013.01 - EP KR RU US); **C03C 17/3642** (2013.01 - EP KR US); **C03C 17/3644** (2013.01 - EP KR RU US); **C03C 17/3649** (2013.01 - KR RU); **C03C 17/366** (2013.01 - EP KR RU US); **C03C 17/3681** (2013.01 - EP KR US); **G02B 1/14** (2015.01 - US); **G02B 5/22** (2013.01 - KR US); **G02B 5/282** (2013.01 - KR US)

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

US 10539726 B2 20200121; **US 2017059753 A1 20170302**; CA 2997104 A1 20170309; CA 2997104 C 20210112; CN 108137394 A 20180608; CO 2018002372 A2 20180521; EP 3344591 A1 20180711; JP 2018528892 A 20181004; JP 2020126267 A 20200820; JP 2021191723 A 20211216; JP 6919016 B2 20210811; JP 7291750 B2 20230615; KR 102170018 B1 20201026; KR 20180048917 A 20180510; MX 2018002369 A 20180413; RU 2018111273 A 20191004; RU 2018111273 A3 20191004; RU 2719816 C2 20200423; US 11402557 B2 20220802; US 2020116910 A1 20200416; US 2022326421 A1 20221013; WO 2017040563 A1 20170309

DOCDB simple family (application)

US 201615251025 A 20160830; CA 2997104 A 20160831; CN 201680056772 A 20160831; CO 2018002372 A 20180301; EP 16771027 A 20160831; JP 2018530658 A 20160831; JP 2020078992 A 20200428; JP 2021120622 A 20210721; KR 20187009110 A 20160831; MX 2018002369 A 20160831; RU 2018111273 A 20160831; US 2016049554 W 20160831; US 201916708611 A 20191210; US 202217847352 A 20220623